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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/873,368	06/05/2001	Takahiro Masuda	1046.1255	7432

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EXAMINER	
NGUYEN, CHAU T	
ART UNIT	**PAPER NUMBER**
2176	

DATE MAILED: 07/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/873,368	MASUDA ET AL.	
	Examiner	Art Unit	
	Chau Nguyen	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *05 June 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-22* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-22* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *08/16/2001*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-22 are presented for examination.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stark, US Patent No. 5,935,210, and further in view of Slotznick, US Patent No. 6,011,537.

4. As to claims 1, 15 and 19, Stark discloses a network browser comprising:

an analysis module of analyzing a display control file of managing a display screen to extract a description of another file (col. 4, line 25 – col. 6, line 13 and col. 10, lines 55-63: a resource mapping tool 100 (an analysis module) is used to create and manage resource map which provides a graphical of hyperlink structure of the site 40 (display control file) as a tree having its root

node 302 and includes several branch nodes (description of files) extending from and hierarchically subordinate to the root node 302) ;

a downloading module of downloading from a server said another file identified by the analysis means (col. 7, line 66 – col. 8, line 27: the root resource is retrieved in full from the server maintaining the resource);

However, Stark does not explicitly disclose a first loading module of loading said another file which has been downloaded onto an invisible screen; and a display module of executing or displaying said another file loaded into the invisible screen without downloading said another file when said another file in the display control file is designated on the display screen. Slotznick discloses a system displaying information at a display of a local user computer, the information includes primary information (web page) representing information requested by a user and secondary information (links to the web page) representing additional information (col. 4, line 38 – col. 5, line 2). Slotznick also discloses displaying the primary information as a virtual page while the secondary data is downloaded and held in memory without being displayed (downloaded onto an invisible screen) (col. 9, line 22 – col. 10, line 5) and the secondary information is hidden until triggered (col. 11, lines 6-24). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Slotznick and Stark to include a first loading module of loading said another file which has been downloaded onto an invisible screen; and a display module of executing or displaying said another file loaded into the invisible screen without downloading said another file when

said another file in the display control file is designated on the display screen. Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously.

5. As to claims 2, 16 and 20, Stark and Slotznick (Stark-Slotznick) disclose wherein said analysis module includes a second loading module of loading another module when said another file requires said another module of execution or display of said another file (Stark, col. 4, line 25 – col. 6, line 13).

6. As to claim 3, Stark-Slotznick disclose wherein said analysis module has:

a work list in which work file names are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 17);

an analysis target list in which names of files which need analysis are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65); and

a non-analysis-target list in which names of files which need no analysis are stacked (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65),

wherein when a file name read out from the work list does not coincide with any of the file names stacked in the non-analysis-target list, it is stacked in the analysis target list, and the file names stacked in the analysis target list are successively read out to execute accessing a server on the basis of the file names read out (Stark, Figs. 6A-6C and col. 7, line 66 – col. 8, line 47).

7. As to claim 4, Stark-Slotznick disclose wherein said analysis module accesses the server on the basis of each of the file names stacked in the analysis target list, and stacks each file name in the non-analysis-target list after the corresponding file has been downloaded (Stark, Figs. 6A-6C and col. 7, line 66 – col. 8, line 47).

8. As to claims 5, 17 and 21, Stark-Slotznick disclose wherein said analysis module monitors an operation on the display screen and starts analysis of the display control file or downloading of said another file if no operation on the display screen has been performed during a certain time period (Stark, col. 9, lines 14-33).

9. As to claims 6, 18 and 22, Stark-Slotznick disclose wherein said analysis module monitors coordinate designation means on the display screen and starts analysis of the display control file or downloading of said another file if said coordinate designation means has stayed within a certain area during a certain time period (Stark, col. 9, lines 14-33).

10. As to claim 7, Stark-Slotznick disclose a correspondence table in which said certain area and file names indicated in said certain area and extracted from the display control file are related to each other, wherein said analysis means

determines said another file to be downloaded by referring to said table (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65).

11. As to claim 8, Stark-Slotznick disclose wherein said certain area is one of the screen areas divided in the form of frames, and said correspondence table is formed by respectively relating the screen are and other files set with respective screen areas and indicated on the display control file (Stark, Fig. 5 and col. 6, line 45 – col. 7, line 65; Slotznick, col. 8, line 44 – col. 9, line 21, Slotznick suggests that downloading secondary information (another file or links) onto a cache memory without being displayed so when the secondary information is triggered, displaying the secondary information occurs almost instantaneously).

12. As to claim 9, Stark-Slotznick disclose wherein said analysis module collectively downloads from the server a plurality of files placed subordinate to one higher-level directory as said other files (Stark, col. 4, line 40 – col. 5, line 27 and col. 7, line 66 – col. 8, line 27).

13. As to claim 10, Stark-Slotznick disclose wherein said other files include files placed at different subordinate hierarchical levels as well as those placed at the same hierarchical level subordinate to one higher-level directory (Stark, col. 4, line 40 – col. 5, line 27).

14. As to claim 11, Stark-Slotznick disclose wherein said analysis module has a correspondence table in which a high-level directory and files at a lower-hierarchical level are related to each other, and determines a file as another file to be downloaded by referring to the correspondence table (Stark, col. 4, line 40 – col. 5, line 27 and col. 7, line 66 – col. 8, line 27).

15. As to claim 12, Stark-Slotznick disclose wherein the invisible screen is updated each time the display control file of controlling the display screen is changed, and updating of the invisible screen is not performed if another file loaded before an updating change and still another file to be loaded after the display change are identical to each other (Stark, col. 14, lines 19-26).

16. As to claim 13, Stark-Slotznick disclose wherein said analysis module gives a visual notice by changing the display on the display screen when starting analysis of the display control file or downloading of another file (Stark, col. 8, lines 12-47).

17. As to claim 14, Stark-Slotznick disclose wherein the change in the display on the display screen comprises a visual change of coordinate designation means displayed on the display screen (Stark, col. 8, lines 12-47).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (703) 305-4639. The Examiner can normally be reached on Monday-Friday from 8:00 am to 6:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Joseph Feild, can be reached at (703) 305-9792.

The fax phone numbers for the organization where this application is assigned are as follows:

(703) 872-9306 (After Final Communications only)

(703) 872-9306 (Official Communications)

(703) 746-7240 (for Official Status Inquiries, Draft Communications only)

Inquiries of a general nature relating to the general status of this application or proceeding should be directed to the 2100 Group receptionist whose telephone number is (703) 305-3900.

Chau Nguyen
Patent Examiner
Art Unit 2176

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER